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IAP15 Rec'd PCT/PTO 09 MAR 2007

**PATENT**

Docket No.: RW-173PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Wolfgang Hintze, et al  
Serial No: 10/542,479  
Int. Filed: January 15, 2004  
For: CERAMIC CUTTING TOOL WITH AN EDGE AREA, METHOD  
FOR THE PRODUCTION AND USE THEREON  
Legal Examiner: Daniel Stemmer

Mail Stop Petition  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**PETITION TO REVIVE UNINTENTIONALLY ABANDONED**

03/13/2007 MKAYPAGH 00000074 10542479 **APPLICATION UNDER 37 CFR 1.137 (b)**

01 FC:1453

1500.00 OP

S I R:

Applicant hereby petitions to revive the above-identified application.

The application went abandoned for failure to submit a correct response to the "Notification of Missing Requirements".

The entire delay from the abandonment of the application and the filing of this grantable Petition to Revive was unintentional.

A corrected Response to the Notification of Missing Requirements and the required petition fee are enclosed. The amount of \$1,500.00 to cover the petition fee is being charged as per attached form PTO-2038.

Any additional fees or charges required at this time in connection with this application may be charged to Patent and Trademark Office Deposit Account No. 11-1835.

Respectfully submitted,

By Friedrich Kueffner  
Friedrich Kueffner  
Reg. No. 29,482  
317 Madison Avenue, Suite 910  
New York, New York 10017  
(212) 986-3114

Dated: March 5, 2007

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450, on March 5, 2007.

By: Friedrich Kueffner  
Friedrich Kueffner

Date: March 5, 2007



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METHOD FOR THE PRODUCTION AND USE THEREON

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P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

Sir:

In response to the Notification of Missing Requirements dated **February 21, 2006**.

Submitted herewith are seven (7) sheets of formal drawing.

As required, a copy of the Notification of Missing Requirements is attached.

Since all the missing requirements have now been supplied, it is submitted that the application is now complete and in form for examination. Accordingly, such examination and prompt allowance are earnestly solicited.

Respectfully submitted,

*fk*

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Friedrich Kueffner  
Reg. No. 29,482

FK:ml  
March 5, 2007  
317 Madison Avenue  
New York, NY 10017  
(212) 986-3114

Encls:

Copy of Notification of Missing Requirements;  
Executed Declaration;  
English translation.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 5, 2007.

*fk*

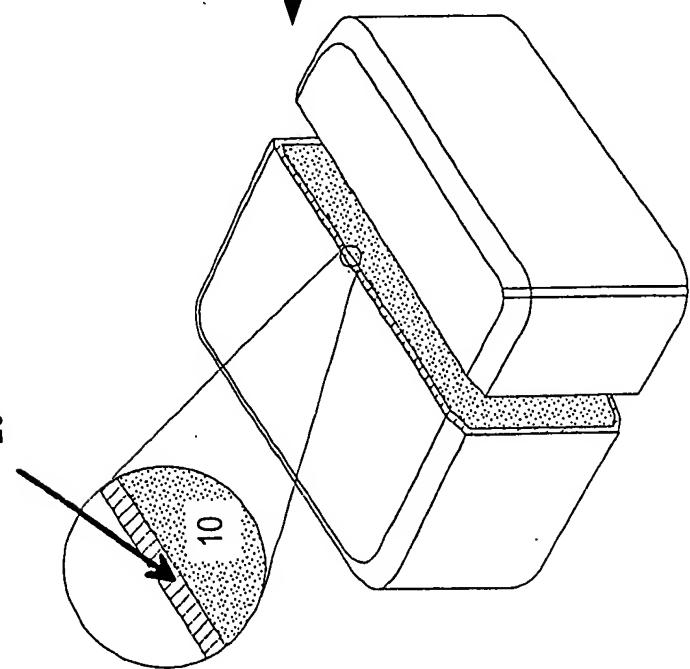
March 5, 2007

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Friedrich Kueffner

FIG. 1

10 - STARTING CERAMIC CONSISTING OF  
BASE CERAMIC, FOR EXAMPLE  $\text{Al}_2\text{O}_3$   
ADDITIVES, FOR EXAMPLE  $\text{ZrO}_2$   
SACRIFICIAL PHASE, FOR EXAMPLE  $\text{Ti(O,C)}$   
PRIMARY HARD MATERIAL PHASE, FOR EXAMPLE  $\text{TiC}$   
20 - EDGE AREA OR EDGE LAYER, FOR EXAMPLE  $\text{TiC}$



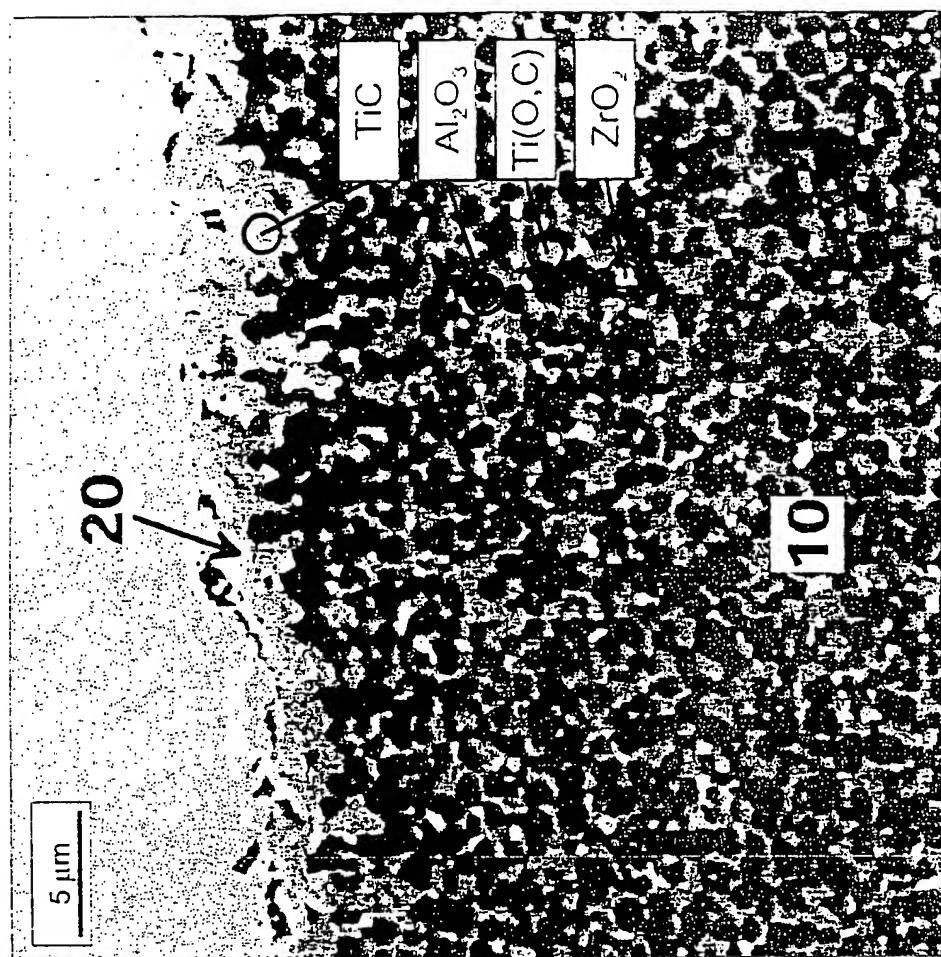
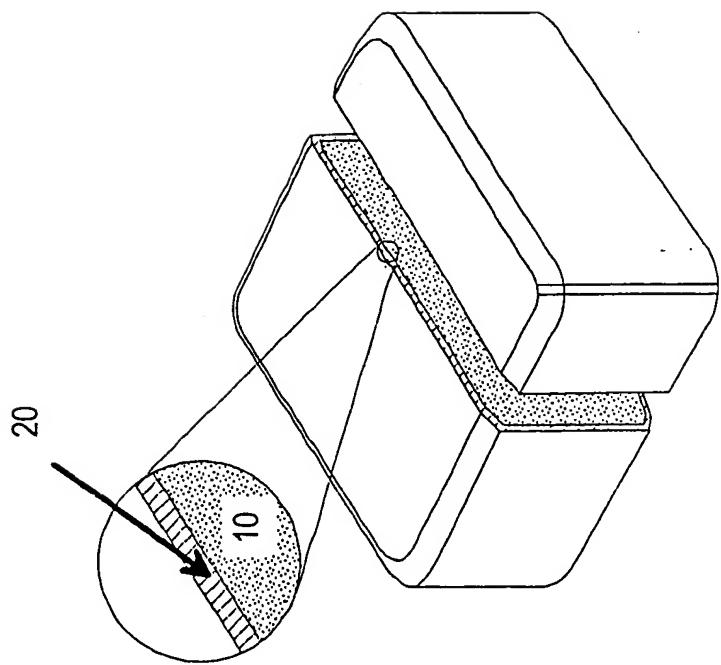


FIG. 2



Replacement Sheet

10/542,479

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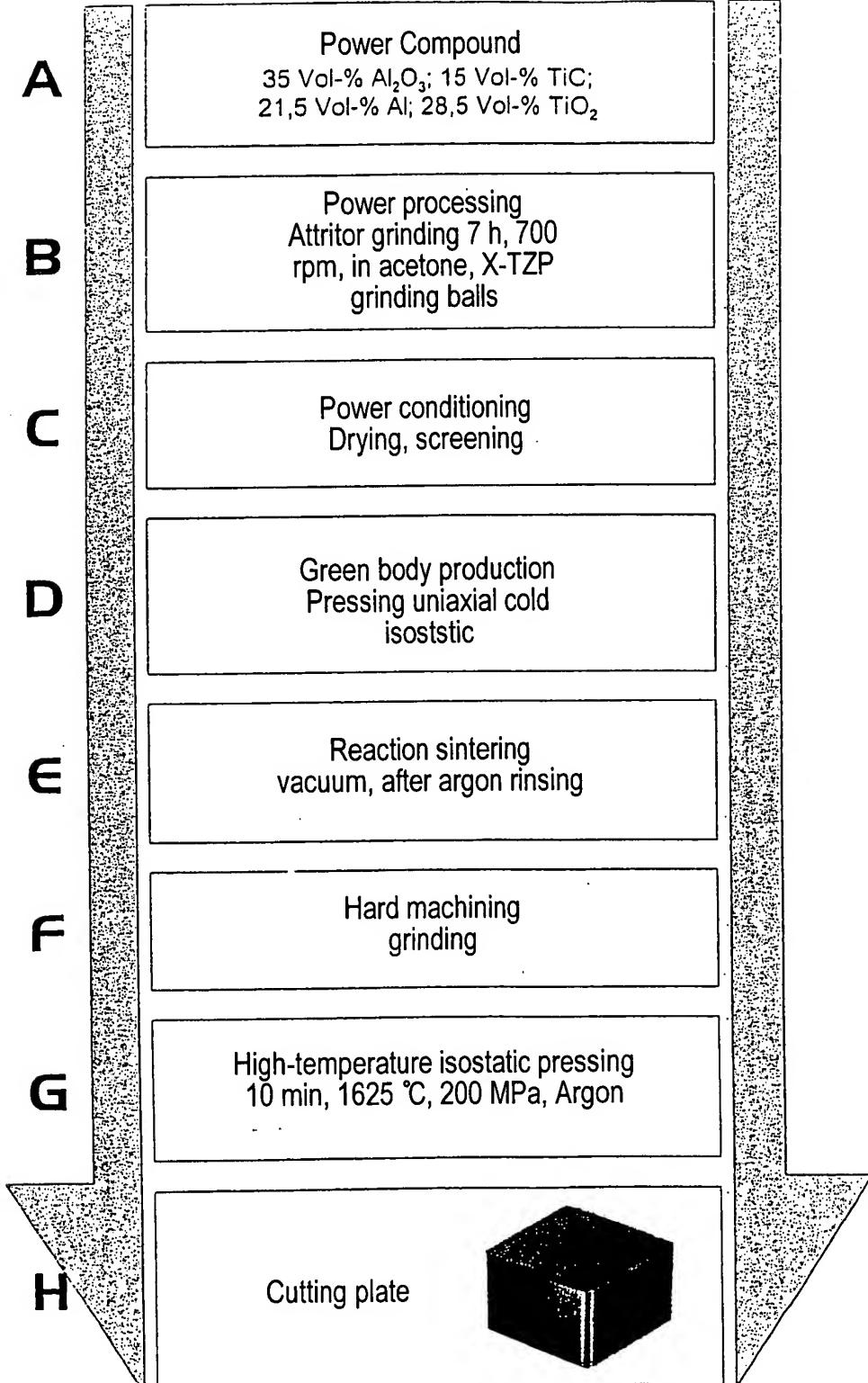
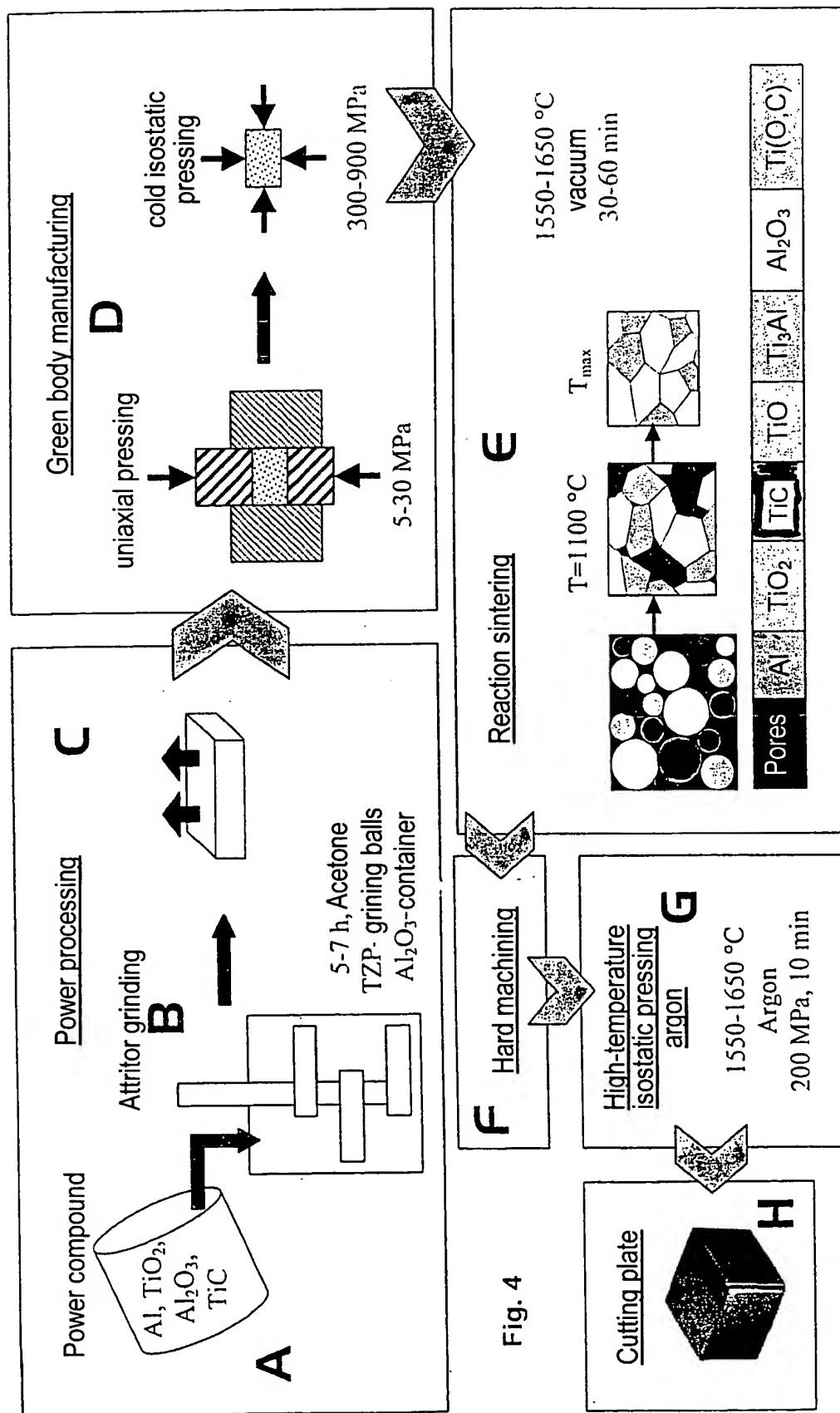


FIG. 3



5/7

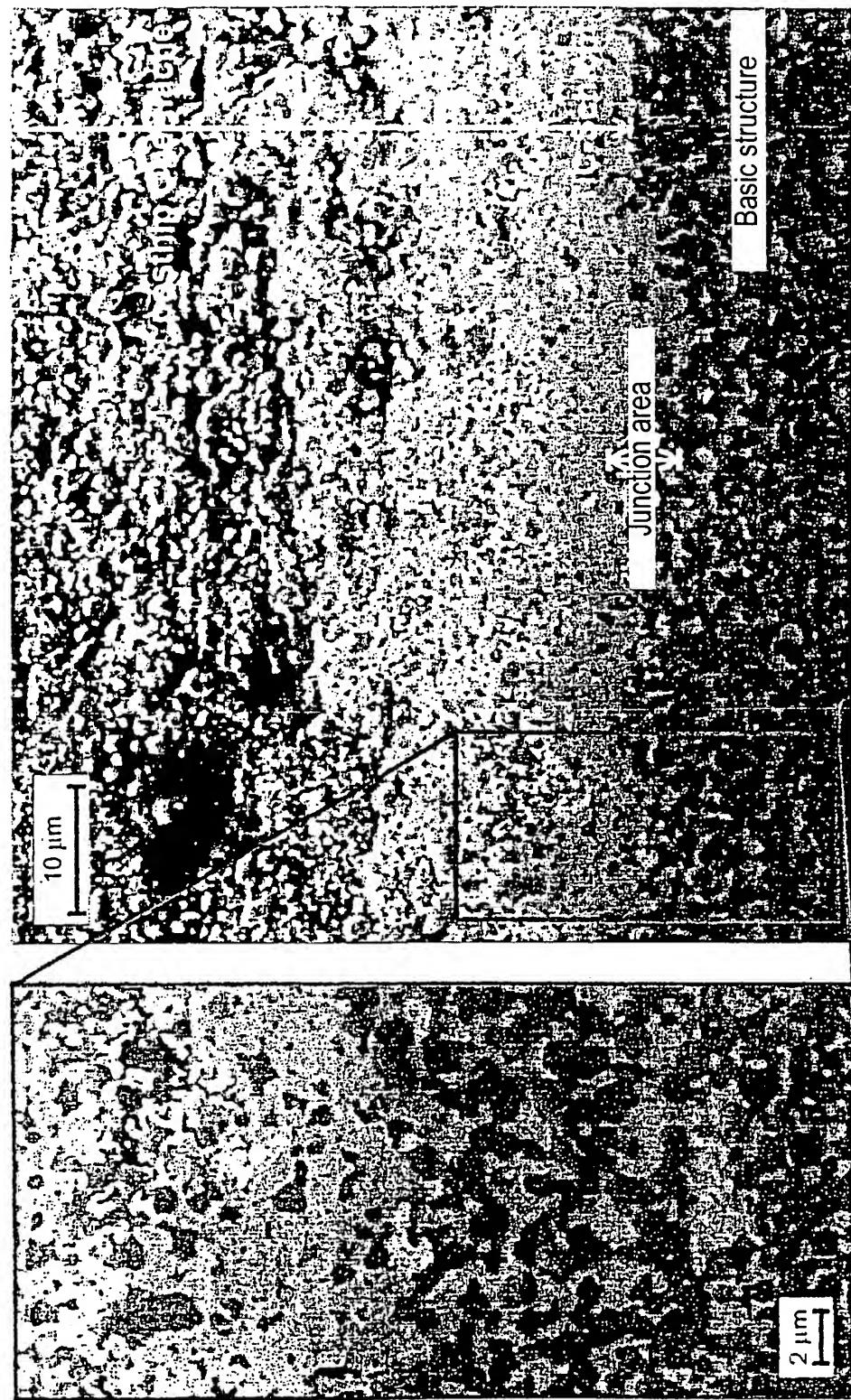


FIG. 5

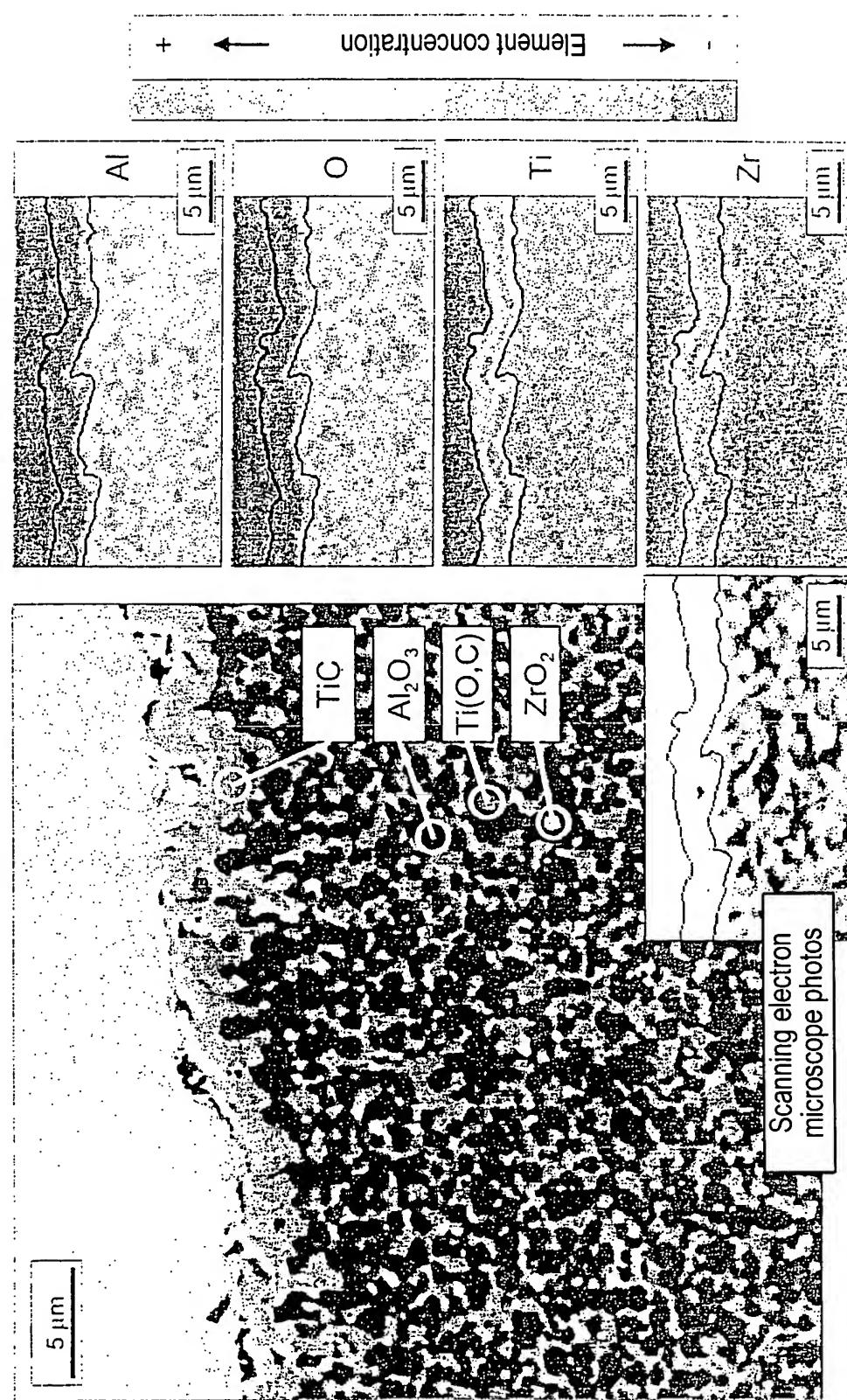


FIG. 6

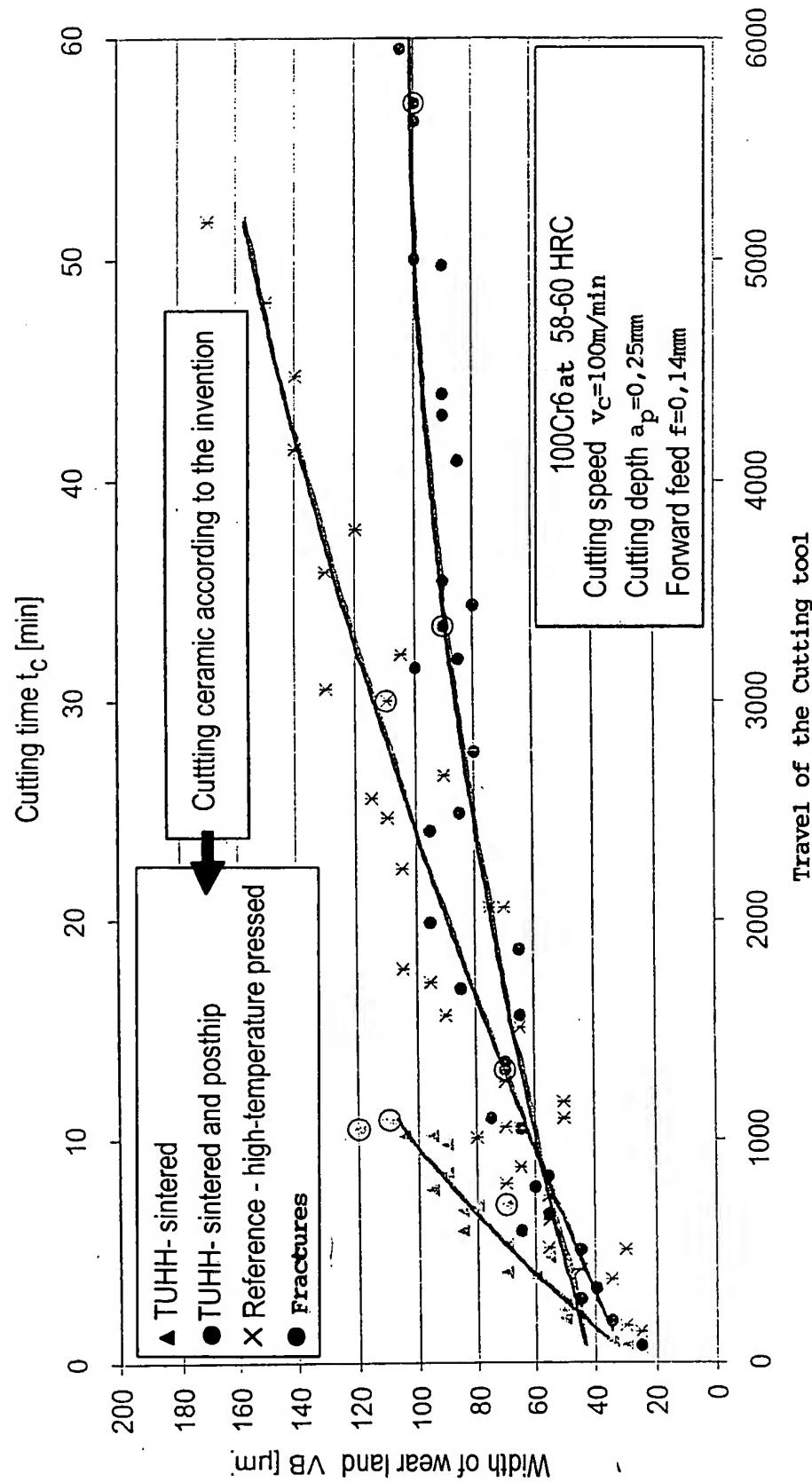
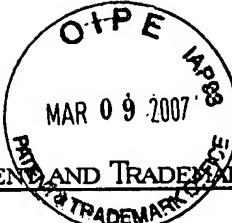


FIG. 7



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/542,479	Wolfgang Hintze	RW-173PCT

INTERNATIONAL APPLICATION NO.

PCT/EP04/00243

I.A. FILING DATE	PRIORITY DATE
01/15/2004	01/17/2003

40570  
FRIEDRICH KUEFFNER  
317 MADISON AVENUE, SUITE 910  
NEW YORK, NY 10017

**RECEIVED**  
FEB 24 2006

CONFIRMATION NO. 6996

371 FORMALITIES LETTER



\*OC000000018062198\*

Date Mailed: 02/21/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/14/2005
- Copy of the International Search Report filed on 07/14/2005
- Copy of IPE Report filed on 07/14/2005
- Oath or Declaration filed on 07/14/2005
- Request for Immediate Examination filed on 07/14/2005
- U.S. Basic National Fees filed on 07/14/2005
- Priority Documents filed on 07/14/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the

missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$260** for a Large Entity:

- **\$130 Surcharge.**
- **\$130 for English translation surcharge required.**

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

WINSTON M ALVARADO

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Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/542,479	PCT/EP04/00243	RW-173PCT

FORM PCT/DO/EO/905 (371 Formalities Notice)